

Novamid[®] 1010GN8–30 NAT

PA6–GF30 FR

30% Glass Reinforced, Flame Retardant, Halogen free

Print Date: 2024–03–27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	0.8 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	12000 / 8800	MPa	ISO 527–1/–2
Stress at break	140 / 110	MPa	ISO 527–1/–2
Strain at break	2.5 / 3	%	ISO 527–1/–2
Flexural modulus	10200 / 7500	MPa	ISO 178
Flexural strength	220 / 160	MPa	ISO 178
Charpy impact strength (+23°C)	63 / 67	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / 16	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75–1/–2
ELECTRICAL PROPERTIES			
	DRY / COND		
Relative permittivity (1 MHz)	3.2 / –	–	IEC 62631–2–1
Dissipation factor (1 MHz)	200 / –	E–4	IEC 62631–2–1
Volume resistivity	1E13 / –	Ohm*m	IEC 62631–3–1
Surface resistivity	– / 1E14	Ohm	IEC 62631–3–2
Electric strength	23 / –	kV/mm	IEC 60243–1

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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Comparative tracking index	600 / –	V	IEC 60112
<i>OTHER PROPERTIES</i>		<i>DRY / COND</i>	
Humidity absorption	1.3 / *	%	Sim. to ISO 62
Density	1430 / –	kg/m ³	ISO 1183

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